

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: RANDY@sbii.sb2.pdx.edu
Subject: 2B for SWBC
Message-ID: <2392A672908@sbii.sb2.pdx.edu>

Dear folks,

It occurred to me over the weekend that I would like to have a small BA in my office for short wave listening. The only thing I have which would fit on a bookcase shelf is my very nice Drake 2B. It also is styled as a relative understatement which is good for an office.

So I recalled seeing a review in an old issue of Electric Radio about plugging various xtals in to get SWBC coverage. I am prepared to do this but then remembered that the AM bandwidth on the 2B is only 3.2 kHz. Hardly pleasurable for AM listening.

Has anyone looked into widening the AM BW on this set?

I checked the manual and nothing obvious came to mind without doing lots of hacks. Alternatively, it looked promising to tap off the 455 kHz output in the Q-multiplier, which is before the 50 kHz selectivity stages, and put in a new filter + detector, then route audio back to the main chassis.

Before I try to design my own solution, I would be grateful to anyone who has an "off the shelf" solution.

Thanks,

=Randy=
WB6MAI

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: dmedley@indirect.com (David Medley)
Subject: 829B tubes fs
Message-ID: <199509260004.RAA08723@bob.indirect.com>

Somebody was looking for 829B tubes recently. I just found two tubes in my junk here. One is marked JANCK-829B manufacturer Ken Rad the other JAN 3E29 by RCA.
Both appear to be unused. The price will be right to anyone who wants them.
Dave KI6QE

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: John=J.=Martin%HTI%HUGHES@hrlban1.aircrew.asu.edu
Subject: AC capacitors used for DC purposes
Message-ID: <SA39+vxINka@hrlban1.alhra.af.mil>

Bill Hawkins wrote:

>Did we ever get a good answer about using AC caps in DC filter
>service? Do you have to derate them from 1.4 times the AC value?

=====

Someone please correct me if I'm wrong about any of this: The rating for AC capacitors is expressed as RMS voltage. Peak voltage for AC is 1.414 times RMS; so, for example, a 440 VAC capacitor must be able to tolerate peaks of $440 \times 1.414 = 622$ V repeating at twice the powerline frequency. Rounding down, such a capacitor should work OK at 600 VDC. I have seen 660 VAC capacitors, and by the same token they should work OK at 900 VDC. AC capacitors are non-polarized, so one does not need to observe polarity when using them in DC applications. They seem to be plentiful, especially in surplus stores, and prices are dirt cheap compared to electrolytic or oil filled DC types, so they are very attractive for DC filter applications. Anyone have more light to shed on this?

73, John Martin
jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Sheldon Wheaton <swheaton@tyrell.net>
Subject: Re: AC capacitors used for DC purposes
Message-ID: <Pine.SUN.3.91.950925155513.21150C-100000@tyrell.net>

>The rating for AC
> capacitors is expressed as RMS voltage. Peak voltage for AC is 1.414 times
> RMS; so, for example, a 440 VAC capacitor must be able to tolerate peaks of
> $440 \times 1.414 = 622$ V repeating at twice the powerline frequency.

Also, should be good for continuous operation at the calculated "DC" voltage.

>>>>some text deleted<<<<

> dirt cheap compared to electrolytic or oil filled
> DC types, so they are very attractive for DC filter applications.

Only drawback I can think of is they are usually a lot BIGGER than an electrolytic for the same Charge ($Q=CV$), just like any non-polar type. Keep in mind that the beauty of an electrolytic is the fact that the DC bias across the electrolyte is exactly what gives it such a high dielectric constant, and ultimately produces a very high capacitance.

73, Sheldon KC0CW

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Another comment re Tektronix & BA cleaning
Message-ID: <9509251340.AA07251@syseng1.se.melpar.esys.com>

My apologies for propagating a "myth" re Tektronix immersing equipment. I spent three weeks there and was toured through the plant and shown the cleaning process (I remember the oven particularly) but obviously the memory plays tricks after 31 years (it was 1964). Maybe I mixed up the Tektronix process in my mind with how we used to clean TTY machines, which *was* a full immersion in an ultrasonic cleaner. But then the machine was completely stripped and rebuilt after the cleaning process (NAVCOMMSTA Morocco, 1968-71).

However, my previously posted caveats still stand: Before trying any "mass cleaning" process, find out how the pros do it *first* and assess how it might apply to your particular situation. Might be an OK idea in some cases and a very bad idea in others.

I also agree with the cautions of Jerry, VE3FAB, regarding "proceeding with caution" when using cleaners. Even normal household cleaners are sometimes caustic and/or can do damage to lettering, etc., so try to test the product first before encountering an irreversible "oops."

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: KC5IJD@aol.com
Subject: ARC-112 stuff
Message-ID: <950925152701_108465699@emout04.mail.aol.com>

I have a couple of RF Translator modules from the ARC-113 Collins airborne HF set (one of the mil versions of the 618T-2). They are in excellent condition. Anybody interested in these?

If so, EMail me and we will see if we can work something out.

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@aol.com

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: KS0F@aol.com
Subject: Re BA prices etc.
Message-ID: <950925180331_108586945@mail06.mail.aol.com>

I don't know about rules of thumb but what about the law of supply and demand. How many people would be interested today in buying a 75A4, a 1955 telescope of good quality or a 1955 2 door hardtop BelAir powerpak. I would venture to say that the list is in reverse order as to number of interested people. Next question. How many people have bought more that one of the above in the last 3 years that have little interest in the use of the item. I suspect the A4 will be on top of this list. In a hundred years from now how many people will be interested in owning the 55 powerpak, and the A4. I think the ratio will spread greatly. I do not own an A4 and would dearly love to have one in my small stable but I would gladly trade every A4 made for the "mint" 55.

I saw a butterscotch FADA in super condition at an antique mall two weeks ago with a tag that said \$1025.00. I think that would make the A4 worth about \$65k and the 265 c.u.i., four barrel, dual exhaust, 3 speed stick 55 worth about \$275k

My opinion is this, If it ain't winged, it ain't Collins.

73 de KS0F Mike .

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: djw@unlinfo.unl.edu (Daniel Wright)
Subject: BA Prices(Oh,No..not AGAIN!!)(;>
Message-ID: <9509251941.AA00246@unlinfo2.unl.edu>

Due to a little luck and the kindness and graciousness of some non-ham type folks,I now have finally obtained a complete set of "73" magazines for the decade of the 1960's (Thanks again Allen!!!). The prices for new and used gear in these magazines are really interesting! I was in my early teens in the early 60's and I had a part-time job. I always remember how the prices on the gear were really out of reach for me. Now I'm older (no wiser!) and I was wonderin' if any of you econ-type folks could give me an idea of what to multiply say,1965 prices by to translate the gear costs into 1995 dollars? I know it's probably not THAT simple...their might be other factors...labor

costs,for example that would drive the costs of manufacture up. But what I'm lookin' for is a catch-all simple rule-of-thumb to determine the effect of inflation on the value of the 'ol greenback as it relates to the prices of the gear I used to drool over (still do,actually). Does this make any sense? Any ideas?

tnx es
73 de dan -- WA0JRD ..
djw@unlinfo.unl.edu

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Steve Ellington <n4lq@iglou.com>
Subject: Re: BA Prices(Oh,No..not AGAIN!!)(;>
Message-ID: <Pine.SOL.3.91.950925163421.27516A-100000@iglou>

Considering the price of a mint 65 mustang (\$8,000) or more, BA's are a bargain. Most 65 model BA's go for less than their new price while the Mustang went for only \$2500 new. Hmmm. That would be like a 75A4 going for \$2500 now days. Just wait though. Inflation is hitting the BA's hard.

I just had a conversation with the lady at "Sound Impressions", the outfit that is selling that Collins pocket manual, She says that Japaneese investors are buying our BA's by the boat load.

Steve
n4lq@iglou.com

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: BA Prices(Oh,No..not AGAIN!!)(;>
Message-ID: <9509252113.AA18072@syseng1.se.melpar.esys.com>

>Now I'm older (no wiser!) and I
>was wonderin' if any of you econ-type folks could give me an idea of what
>to multiply say,1965 prices by to translate the gear costs into 1995 dollars?
>I know it's probably not THAT simple...their might be other factors...labor
>costs,for example that would drive the costs of manufacture up. But what I'm
>lookin' for is a catch-all simple rule-of-thumb to determine the effect of
>inflation on the value of the 'ol greenback as it relates to the prices of
>the gear I used to drool over (still do,actually). Does this make any sense?
>Any ideas?

I had this same kind of discussion awhile back with a telescope manufacturer; we were comparing the prices of quality

telescopes (primarily refractors) of the 1950s with the prices today. This led me to look at electronics, particularly ham gear, comparing yesteryear with today.

Now, my friend told me that the "rule of thumb" for most consumer products is roughly 5-6 times from 1955 through 1995; in other words, an equivalent item would cost you roughly 5 to 6 times today what it cost in 1955. I find the rule of thumb to be in error depending on what you're considering. For example, a basic family-sized sedan today will run you at least \$15,000 and probably closer to \$20,000, and if memory serves me such a vehicle would have cost probably \$2000 in 1955. So in this instance, the "rule of thumb" should be 7.5 to 10 times the "old" price.

On the other hand, a decent transmitter and receiver in 1955 (say, a Hammarlund HQ-140-X and a Viking II with VFO) with all-band coverage, AM and CW modes, and around 100 watts or so of *output*, would have run around \$600 or so. A modern all-band HF transceiver of 100 watts can be had for about \$1200, or twice as much, so in this case the "rule of thumb" is too high. Move up to a 75A4 receiver and a SSB/CW/AM transmitter of higher quality and you're up into the \$800 range; \$1600 today will buy a pretty nice rig, and three times the 1955 price will buy a *very* nice rig, indeed. So, it would seem that modern ham gear is a better bargain than what was available in 1955, when compared with, say, auto prices.

Another good example is the TV set. \$800 today buys a *much* better set than \$800 did in 1955; in fact, the equivalent of a set which cost several hundred dollars in 1955 can be had today for *less* than that.

BTW, a high-quality refractor telescope today costs about 3 or 3.5 times what an equivalent unit cost in 1955, and the optical quality of today's telescopes is generally superior (Example: A Unitron 4" refractor was around \$500 in 1955; my 1989 *5" D&G refractor cost \$1700). Cameras are another example; in fact, *quality* cameras may be much nearer the same price as 1955 cameras than any other type of product.

The long and short of it is that electronics and optical equipment is a much better bargain today than it was in 1955, based on the *average* increase in prices of all consumer goods over that period of time. Cars would seem to be a *worse* bargain.

I'd be interested in others' opinions of the "rule of thumb"

concept.

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: David Moody <MOODY@Admin.Rose-Hulman.Edu>
Subject: Re: BA Prices(Oh,No..not AGAIN!!)(;>
Message-ID: <01HVP7Q0ZUCI8Y4YZD@ADMIN.Rose-Hulman.EDU>

> The long and short of it is that electronics and optical
>equipment is a much better bargain today than it was in 1955,
>based on the *average* increase in prices of all consumer goods
>over that period of time. Cars would seem to be a *worse*
>bargain.

> I'd be interested in others' opinions of the "rule of thumb"
>concept.

Ooooh, let's look at computers. Anybody remember how much an IBM 7090
sold for. (Or was it just leased by IBM back then?) I'm not sure you
can get a computer with that little power now. ;-)
This looks like a case of the reverse, but that seems to be just as obvious
over the last six months in this case.
Oh well, off topic, but interesting nonetheless.

73, David Moody, KD8NY

David A. Moody | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
Wk Ph: 812.877.8183

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: HAMRLUND@aol.com
Subject: BBS COMPANIES / E-MAIL

Message-ID: <950925145739_28746019@mail06.mail.aol.com>

the following has a bbs from which you can get info:

Ham Stationevansville, in. 812-424-3614
Ham radio outlet ...E-Mail at the following:
sunnyvale ca. kdm@hamradio.com
salem nh clw@hamradio.com

well this is all I could find for now...

robert

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: waltn@hooked.net (Walt Novinger)
Subject: Change of address
Message-ID: <199509260013.RAA18251@mom.hooked.net>

Fellow Anchorites,

Please note the new address for me effective immediately. For those of you whose mailers don't display headers, it's waltn@hooked.net. Please update your address books, as I'll be turning AOL off in the near future.

Thanks,
Walt

=====
Walt Novinger
Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers
and test equipment
waltn@hooked.net waltn@shl.com CI\$:73340,2013
+415.738.0370 (voice) +415.738.1192 (fax)

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: "Cain, Jim, K1TN" <jcain@arrl.org>
Subject: RE: Cleaning BA's
Message-ID: <3066B0CE@arrl.org>

>>"The concept of throwing a BA into a dishwasher is wreckless"<<

What a wonderful Freueian slip.

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Re: Cleaning BAs
Message-ID: <9509251311.AA06456@syseng1.se.melpar.esys.com>

I wouldn't reccomend soaking any radio set in water. A sponge bath is much safer. Your mileage may vary, depending on how well the components are protected.

>>>4. Will water get inside power transformers and never go away.
>>
>> Not if you leave it in a heated oven for about 24 hours, the
>>way Tektronix did.

>This is bad information. It might apply to distilled water, with
>no possibility of salt in or on the transformer, but many people
>have water that would leave enough behind after drying to lower
>the insulation rating of the transformer. See Stan Griffith's
>book on restoring Tek scopes for the whole story. He lost some
>transformers to hard water.

>Bill Hawkins bill@bvc.frco.com

Well, Bill is correct, and to be truthful I didn't think about impure water. My comments were based on what a professional company did (Tektronix) but I'm sure they used distilled, well-filtered water. However, as I recommended at the end of my first follow-up, before I'd put my rig in the dishwasher or use any other "mass-cleaning" method I'd go check out the local library for some industrial engineering publications which discuss the pros and cons of cleaning electronics equipment by this method; in other words, seek some expert advice from the professionals before proceeding. For every ham you find who did this successfully, you'll no doubt also find at least one who ruined a nice piece of equipment, so find out how the pros do it and under what conditions before proceeding.

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Re: Cleaning BAs
Message-ID: <9509251318.AA06639@syseng1.se.melpar.esys.com>

>Paul, K4MSG replied with:

>> >5. Will the only band that still works be the Marine Band?

>>

>> The Marine Band has never worked, it just travels around
>> playing blood-stirring music and looking fancy.....they did
>> name a harmonica after it, though.

>>

>> Paul, K4MSG

>"Never Worked"

>I am afraid that I'm going to have to draw the line at such

>BLASPHEME...I shall meet you at the Halls of Motezuma...

>at high noon!! I would bet John Philip himself is turning over in

>his grave at the very thought....shame, shame!!

> 73,

> GYSGT S. L. Hose USMCR (ret)

> KD1DT

Sorry, Gunny, I just couldn't resist! Actually, I *love* Sousa
music (and the XYL plays in the local community band which just
did an all-Sousa concert). But I'll admit, "your" band makes me
just a wee bit jealous.....

Tell you what, let's just meet in the Club and I'll buy the
first round..... ;-)

73,

ETCM P.H. Bock, Jr. USNR-RET

K4MSG

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995

From: Steve Ellington <n4lq@iglou.com>

Subject: Re: Cleaning BAs

Message-ID: <Pine.SOL.3.91.950925110001.11885B-100000@iglou>

Here at the bank, we used to clean pc keyboards using an ultrasonic tank
and freon. We obtained the freon in 5 gallon drums from a local chemical
company. I even tried cleaning a desk calculator in the tank while it was
plugged in and even ran some calculations while it was submerged.
Unfortunately, the feds have put the clamps on freon and the tank is too
small for your typical BA. We still use it for cleaning small things like
our glasses and watch bands. The dirt seems to explode the instant the
sound is turned on.

FYI.... Those ultrasonic transducers are available from Parts houses ie Newark electronics etc. I suppose one could make a big tank for BA cleaning. Freon sure worked great. It had no effect on plastic, rubber or anything electronic and apparantly is a good insulator at least for voltages under 110v. Seems to me like it was designated Freon TF. Some of you chemical buffs might know more on the subject.

Steve
n4lq@iglou.com

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Randy.Cook@Corp.Sun.COM (Randy Cook)
Subject: Cleaning BAS- Murphys Oil Soap
Message-ID: <9509251841.AA02705@mmmt.Corp.Sun.COM>

I purchased a VERY dirty HQ180 recently. After disassembling the front panel, case, and cleaning with Murphy's Oil Soap, it now looks like new. I diluted Murphys with water 1 to 1. After cleaning, I rinsed well and dried with a cloth diaper (have LOTS of those...)

Murpheys took off 35 years of nicotine, dirt, and unidentified crud off the front panel I had no problems with paint or lettering lifting, even off of the dial faces. In some places, I used Murphys straight.

Just used Murphys again to clean the face and knobs of an SW-4A. Looks great.

Thanks to Robert Fowle for the tip on Murphys.

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Cleaning BAS- Murphys Oil Soap
Message-ID: <9509252027.AA06011@bock.ih.att.com>

SOME time ago someone here did advise using Murphy's to clean up my nicotine-plus stained 129X. Probably was Mr Hammarlud, Bob Fowle.

On eword of warning. I'd been using Murphy's to clean up wood cabinets of radios and old phonographs, and it's not totally harmless. At first it will take off the grease and nicoptine and human skin gunk. But a lot of elbow grease isr equired on a wood surface to do that, and you have to be sensitive to how its feels as you bear down and rub.

There comes a point where your rag seems to be really digging in. That's when Mrs Murphy has started to remove the finish (varnish, lacquer,

whatever) and you beeter STOP working on that spot, or you will go into the bare wood.

My 129X experience shows that you don't have to rub nearly so hard as on a wood surface, and maybe Murphy's isn't as ruff on real paint as it is on varnish or lacquer.

BTW, a powerful but not-too-destructive cleaner for small spots is Fornby's, avaialble at antique shops. Smells like turpentine (no doubt a major ingredient), probably should wear gloves (but not in LA) but it is really effective on getting crud off without harming the finish.

Best wishes for clean BAs, mike k w9nrd

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: "Chuck Rippel" <crippel@exis.net>
Subject: Collins Guide!
Message-ID: <199509250145.VAA31865@marlin.exis.net>

At our local hamfest this weekend, there was a display for The Pocket Guide to Collins Amateur Radio Equipment. I got a chance to eyeball some of the material and it is fantastic.

It is 108 pages of digitally scanned photographs of every piece of Collins amateur equipment made from 1947 to 1980. There is descriptive information including tube charts, rear panel diagrams, mechanical filter diagrams, etc... It is laminated and has lay flat, wire binding.

I have a copy of their order sheet and here's the info:

\$19.95 + \$3.00 s/h

Sound Impressions
833 Denmark Drive
Mesquite, TX 75149

Voice: (800) 233-0484
FAX: (214) 216-9994

Texas residents add \$1.55 sales tax.

>From what I understand, they are shipping this Friday.

This publication was extremely well done!

+++++

Chuck Rippel
crippel@exis.net

+++++

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: DUBE2@delphi.com
Subject: Re: Color TV "Converter"
Message-ID: <01HVOA91CD5E90NS2J@delphi.com>

I remember 'em too. A neighbor had one back in 1951 or '52. They had a "rectangular" Tv--one of those new-fangled ones, while we had an older Zenith 19" round one. The thing wouldn't fit on a round TV. But I remember sort of snickering at the idea of putting that colored plastic on the TV. On "talking head" shots, the hair was blue and the chin was brown! Rest of the face was a sort of flesh-tone color.

I'd forgotten all about that until I saw this. Thanks for the memories!

73,
Dube AB5AP <dube2@delphi.com>

If we had to tolerate in others all that we permit in ourselves, life would be completely unbearable. -Georges Courtelline

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: Neal McEwen <nmcewen@metronet.com>
Subject: CQ CX Awards
Message-ID: <199509250328.AA16336@metronet.com>

Hello Gang,

I had occasion to operate in the CX QSO party Sunday evening. It was great fun and I encourage you to participate the next time it comes around. Going over my notes, I would like to present the following K5RW awards

Award for the oldest receiver:
N5AIT - who was using a HQ 129-X

Award for most interesting setup:
W2LYH - who was running a pair of 811s in push pull and
N2EY - who had homebrewed a transceiver with an 807 in the final

Award for I never heard of it before:
KA3IVB - who was using an Oak Hills QRP rig

Award for I used to have one of those years ago:

AA4RM - who was using a Drake 2-B

Award for trying the hardest

KB8LW0 - who finally got the copy on the third try

And finally,

Award for the best sounding note and all around swell signal

N6KN - whos was running a KWS-1 and 75A4, of so pretty a sound coming out of my headphones.

Would be interested to hear your comments and see if you had as much fun as I did. Oh, BTW W2LYH has to be a nice guy; he was using a McElroy bug !!!

Thanks to all who participated

--

73 de K5RW - Neal McEwen - Richardson, TX (Dallas)

***** I collect old telgraph and wireless telegraph keys *****

HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP

HomePage - http://fohnix.metronet.com/~nmcewen/techno_weenies.html

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995

From: Andy Wallace <wallace@mc.com>

Subject: CQ CX Awards and aftermath :-)

Message-ID: <9509250421.AA06230@kali>

----- Begin Included Message -----

From: Neal McEwen <nmcewen@metronet.com>

Subject: CQ CX Awards

> I had occasion to operate in the CX QSO party Sunday evening. It was great
> fun and I encourage you to participate the next time it comes around.

I was on 7117 from about 1900Z to 2100Z. I had to go to work :-(
so I couldn't stay for when the skip was really in. I made a few pleasant
contacts, but nobody who knew of the CX. At least they were familiar
with tube rigs. One fellow had a DX-40 in 1965.

> Award for the oldest receiver:

> N5AIT - who was using a HQ 129-X

All the more reason to get my Comet Pro on the air!

>And finally,
>Award for the best sounding note and all around swell signal
>N6KN - whos was running a KWS-1 and 75A4, of so pretty a sound coming out
>of my headphones.

[no comment. I'll just drool quietly.]

Neal, you didn't mention what frequencies you were on. I would have tried other crystals in the Drake 2-NT but I figured a moving target would be harder to hit. <grin>

--Andy
wallace@mc.com

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: Digest 215 & BA Knobs
Message-ID: <812063446.8945521@AppleLink.Apple.COM>

215 arrived corrupted here too. (And it had two of my postings in it that I thought were particularly interesting! ;-(

BTW - I have begun to buy BA looking knobs whenever I come across them just so I can make them available to the rest of the crew here. Most recent find was a partial litter of what may turn out to be Hallicrafters 20 Series knobs. Once I figure out a way to describe these things in words I'll start posting what I've got, in case anyone is in need.

-df

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: KB9VU@aol.com
Subject: RE: Drake Speakers
Message-ID: <950925031956_28427173@emout06.mail.aol.com>

The Drake B line has a speaker and cabinet just like the C line. The Nameplate is not affixed to the front on that unit. The MS-4 has the nameplate with "MS-4 Speaker" and the R.L. Drake address affixed. I believe some of the early units were sans the nameplate but not positive. The AC-3 power supply is open framed, the AC-4 is enclosed in an aluminum chassis and cover arrangement. These power supplies are NOT shipped inside the Speaker enclosure from the factory. AAMF, Drake specifically says NOT to ship the

MS-4 speaker with the power supply mounted inside the cabinet. The C line has in the accessory pack, 4 small screw in feet that affix to the bottom of the AC-4 supply chassis for setting up outside the MS-4 cabinet (that's how I have mine set up). If you CHOOSE to mount the power supply in the cabinet, the rubber feet are not required and the mounting holes are used for screw mounting the unit to the bottom of the speaker cabinet.

If you ship a Drake radio (TX, RX, Spkr & pwr supply) dismount the power supply and pack it separately. That's the way the factory shipped it originally. If you leave it mounted, you stand the risk of severe damage to the speaker and enclosure when UPS drops the box and the power supply smashes into the rear of the speaker and pushes it through the front of the enclosure. I have first hand experience with that sequence of events. Drake has no more enclosures and the repair job I had to have done was extensive, including relacing the speaker and having a metal shop straighten, weld and repaint the cabinet. The speaker grille was not repairable but luckily, I had a spare one out of another unit!

'Nuff said.

Mike, KB9VU

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: cdorn@gpu.srv.ualberta.ca (Chris Dorn)
Subject: Drake Stuff FS
Message-ID: <199509251526.JAA16441@bock.ucs.ualberta.ca>

Hello all,
I have the following for sale:
Drake RV4C, excellent, \$110US
Drake DC4, \$80US
Chris VE6RDC

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: HAMRLUND@aol.com
Subject: for sale, best offer as group
Message-ID: <950925203450_29028738@mail06.mail.aol.com>

I have for sale the following Collins, sales catalogs, Sams & manuals:

FEB. 1961 SALES CATALOG
DEC. 1974 SALES CATALOG
DEC. 1975 SALES CATALOG

SAMS PHOTOFACTS

51J-3
75A-1
75A-1
75A-2

MANUALS

75A-1 (COPY) MAY 10, 1949
75A-2 SEP. 26, 1951
75A-3 APR. 15, 1954
75A-4 MAR. 15, 1957

ROUND EMBLEM

32S-1 NOV. 15, 1961
75S-3B & 75S-3C FEB. 15, 1968

WINGED EMBLEM

51S-1/1A/1F/1AF/1B JUNE 1 1967
32S-1 FEB. 15, 1960
75S-1 JUNE 15, 1960

SELL THE ABOVE FOR BEST OFFER, PLUS SHIPPING

CONTACT: Robert Fowle.....Hamrlund@aol.com
Ph.517-789-6721.....
1215 Winifred....Jackson, Mich. 49202-1946
| |
---|---|---> the Hammarlund guy
| |

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: Nina West <ninaw@u.washington.edu>
Subject: GE Dielektrol Capacitor
Message-ID: <Pine.A32.3.91j.950924193620.102651A-1000000@homer07.u.washington.edu>

Picked up an unused GE Dielektrol Capacitor at Boeing Surplus last week for 10 bucks. It is a steel box about 6"x8"x12" with a name plate claiming 480v 60 Hz 15.00 KVAR. Inside are 2 large fuses and 3 pairs of 29.93 uF (not 30, but 29.93) 480 V round capacitors containing dielektrol and connected in a triangle to the fuses and one unfused terminal. I assume that this is used to start large 3 phase 480 V motors

My question is are these appropriate to use as replacements for electrolytics in power supplies? Didn't see any others around, but I will keep my eyes open.

Also found a testbox containing a nice transformer and a 12BH7A for 5 bucks.

thanks in advance for the info,

Fred Powell
c/o
ninaw@u.washington.edu

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: Re: GE Dielektrol Capacitor
Message-ID: <Pine.SUN.3.91.950924165510.7748B-1000000@kahuna>

> 29.93 uF (not 30, but 29.93) 480 V round capacitors containing dielektrol
> and connected in a triangle to the fuses and one unfused terminal. I
> assume that this is used to start large 3 phase 480 V motors

Why do motors need "motor starters"? I've been looking at the Federal Signal Corp. catalog of Civil Defense sirens - they require 240 or 480 volts, and a "motor starter" must be purchased in addition to the siren. Is there such a large current surge upon power-up that these devices are necessary? What do they consist of?

Jeff NH6IL

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: jproc@worldlinx.com
Subject: Re: GE Dielektrol Capacitor
Message-ID: <Chameleon.4.01.2.950925000648.jproc@>

>Is there such a large current surge upon
>power-up that these devices are necessary? What do they consist of?

Jeffrey,

When any motor starts up it's almost a short circuit across the line and would blow the line fuse or circuit breaker if there was no method to control the inrush current. For motors of 1/4 hp or less, it isn't much of a problem but motors larger than 1/4 hp need to be 'tamed' when starting up.

There is quite a science to motor starters depending on whether you are into AC or DC. Typically, for DC motors, there is a suitable resistance introduced into the circuit when the motor starts up. As the motor gets up to running speed, the armature starts to produce a 'back EMF' or what can be called a 'reverse voltage'. This reverse voltage bucks the line voltage and reduces the overall current requirement. While getting up to speed, the resistance may be reduced in two, or possibly three or more stages depending on the horsepower rating of the motor and then eliminated altogether. Large DC motors can have their armature and field windings connected in series at startup. This produces maximum torque but the motor cannot get up to full speed. Around 50% of full speed, the armature and field windings are switched to parallel operation. This reduces torque, but lets the motor run at full speed.

AC motor starters are an entirely different beast. Ever notice, when your fridge or air conditioner kick in, the house lights dim a little momentarily? This is the inrush current to the motor. It would not be practical to explain motor starter technology in this forum, but your local library should have material on this subject.

As I composed this reply, I was surprised at how much of this material was still active in the old cranium. This knowledge has lay dormant since I studied electrical theory in high school in the early 1960's. :-)

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida, Toronto Ontario

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: rsmits@ham.island.net (Robert Smits)
Subject: Re: GE Dielektrol Capacitor
Message-ID: <092495213005Rnf0.79b6@ham.island.net>

Jeffrey Herman <jeffrey@math.hawaii.edu> writes:

>> 29.93 uF (not 30, but 29.93) 480 V round capacitors containing dielektrol
>> and connected in a triangle to the fuses and one unfused terminal. I
>> assume that this is used to start large 3 phase 480 V motors
>
>Why do motors need "motor starters"? I've been looking at the
>Federal Signal Corp. catalog of Civil Defense sirens - they require
>240 or 480 volts, and a "motor starter" must be purchased in
>addition to the siren. Is there such a large current surge upon
>power-up that these devices are necessary? What do they consist of?
>
>Jeff NH6IL

The most common starting mode for induction motors is simply to close a switch that connects them directly across the line. This is the simplest and least expensive, and gets the motor up to speed rapidly.

For larger motors, however, the starting current may place an excessive load on the power line, causing voltage drops that interfere with other equipment. Two common methods for reducing startup current for squirrel cage motors are either to insert resistors in the stator leads - which reduces the stator current, and using an autotransformer to lower the voltage on the stator temporarily while the motor is coming up to speed.

In the latter case, the starter probably contains an autotransformer and a pair of contactors to switch over to direct line voltage.

In single phase induction motors, the "starting capacitor" is used to cause the current in the starting winding to lead the voltage, giving approximately 50 % greater starting current - and 50 % greater starting torque.

(I don't remember all this stuff either - I had to look it up in an old electrical engineering text...)

--
rsmits@ham.island.net (Robert Smits)

``Nothing good has ever been reported about the full rotation of
a race car about either its pitch or roll axis'' -- Carroll Smith

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: bill@texan.frco.com (William Hawkins)
Subject: Re: GE Dielektrol Capacitor
Message-ID: <9509250715.AA06094@texan.frco.com>

One other thing - 3 phase motors do not require starting capacitors
because the 3 phases rotate just fine. Only single phase motors
need a single starting cap, or an offset winding controlled by a
relay. The GE cap was probably for power factor correction, which
would always be across the motor leads. This would also account
for the precision of the capacitance.

Did we ever get a good answer about using AC caps in DC filter
service? Do you have to derate them from 1.4 times the AC value?

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Michael.J.Knudsen@att.com
Subject: Gonset 63 RX
Message-ID: <9509252214.AA06181@bock.ih.att.com>

Hey, it was for a good cause. The VIKING II I bought yesterday
was part of an SK's widow's estate sale, co/o Greyslake Hamfest.

And I got intrigued by this Gonset "Sixty-Three" RX in the same lot of stuff.
A decent basic, dual-conversion HBO rx with a slide-rule drum dial,
and I got it for \$50.

Needs some TLC, but everything works except the product detector/BFO 6BE6 stage,
which just whistles a constant pitch when you switch to CW/SSB.
And the tuning knob is REALLY stiff.

But it has product detector, 6 meters (hey, it sez Gonset on the front),
and a variable selectivity control that turns out to be a Q-multiplier
with no bandpass tuning and no notch-reject mode.

Potentially a neat radio, maybe use it with the Heath panadapter.

You view the dial and pointer thru a long narrow glass with the Gonset logo and
some "'60s Deco" border decoration. The rear-surface paint job is
just starting to show some pilot-light burn, so I may apply some of
that Cover-Your-Glass pinball preservative that I mentioned -- and still
owe youse guys the address/phone of its vendor.

Wonder who else ahs played with one of these sets, and what you thought of it. Moore's says it went for \$230 back around 1960, not exactly cheap, tho not dear either. Product detectors weren't ynet universal then, so that's a nice touch.

73, mike k w9nrd

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: Sifakis George <sifakis@isoft.intranet.gr>
Subject: RE: Gzip
Message-ID: <3066FAD9@msgw.isoft.intranet.gr>

Since there's talk about zip and such, be aware of the following:

BEWARE beware BEWARE!!!!!!

"We have word from PKWARE that someone on the internet is distributing files under the pretext of being an upgrade to the PKZIP/PKUNZIP file compression program."

The bogus file names are: PKZ300B.EXE and PKZ300B.ZIP

This is NOT a version of PKZIP and it will try to ERASE YOUR HARD DRIVE if you use it.

If you encounter them please IGNORE THEM.

The most recent version of PKZIP is 2.04g

73

George SV0KA

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: "Robert M. Bratcher Jr." <bratcher@krypton.netropolis.net>
Subject: gzip files
Message-ID: <199509250104.BAA12969@krypton.netropolis.net>

>

>Date: Sat, 23 Sep 1995 15:23:46 -0400
>From: KS0F@aol.com

>To: boatanchors@theporch.com
>Subject: gzip
>Message-ID: <950923152343_27294273@mail06.mail.aol.com>
>
>Greetings,
> Can anyone tell me about gzip. I am trying to read files ftp'd
>from theporch.
>
> TIA Mike
> KSOF@AOL.COM
Get a copy of Winzip 5.6 (for Windows 3.11) or Winzip 6.0 for Win 95. It
handles gzip files just fine!

Robert M. Bratcher Jr.
E-mail to:
bratcher@netropolis.net
Beam me up Scotty!
(I'm a real Star Trek fan)

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: glueck@austin.ibm.com (Howard Glueck)
Subject: Heath GR2000 - Free BA
Message-ID: <9509252236.AA14742@hglueck.austin.ibm.com>

While this does not totally fit this space, I do have ONE COMPLETE HEATH GR-2000 TV built of course from a kit with small cabinet, and remote cntl. It's free to whomever wants it IF they can pick it up. I also have a LOT of spare parts -- two complete chassis assemblies including picture tubes, one additional unit minus the picture tube, and a pretty good additional stock of spare boards I have collected at swapfests over last several years. I really don't care to sell it but would like it to have a good home, and giving it away seems to fit all our budgets these days!

The unit has been in use up until recently and still does work. However, I got a smaller portable TV and no longer need the Heath TV. As you might expect, the CRT is a little weak after all these years, but it does work. The other sets for spare parts have about equal CRT's, quality-wise.

Thought this forum might be a good place to list this, as most of you guys appreciate good old hardware, and the old Heath TV served me well for a long time. You gotta pick it up in Austin, Tx.... that's the only hitch. No real hurry though, could be in next month, maybe later even.....

If I get a bunch of responses, I don't exactly know what to do but look at who answered first, and/or who can come and get it in relatively short time (> 2 weeks but < 1 month).

Send me a note.
Skip (glueck@austin.ibm.com)

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Michael.J.Knudsen@att.com
Subject: Heath SB-3xx Panadapter questions
Message-ID: <9509252200.AA06171@bock.ih.att.com>

ANother find at yesterday's Greyslake hamfest -- a Heath Ham-Scan panadapter, really nice shape, sharp bright trace, and all the pretty little black & chrome knobs.

Seems to work, but not on 455 KC IF. From earlier postings I gather its native IF is around 1600 KC, but the Heath manual tells how to set it up on other freqs. Well, guess what did NOT come with the unit.

I can play with my signal gens and find the current freq range.
But I'd like some hints on:

- what range of IF freqs can I adapt it to without major redesign work?
- what is the difference between the RF and IF inputs? RF does nothing, but if I hook the IF directly to my antenna, I get some peaks.
- what is the effect of the function switch by the IF input, that selects Hams-Sanc -vs- Spectrum Analyzer?

Tnx, mike k w9nrd

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: n5off@w5ddl.aara.org
Subject: History, Aircraft Radio Company
Message-ID: <187417@w5ddl.aara.org>

I found an article on the history of this company in a 1984 issue of AOPA Pilot magazine.

I've retyped parts of the article, and stored it on the Boatanchors File Server.

Here is a teaser . . .

Anyone who flew during W.W.II can recall the SCR-274-N, the various Navy versions, and the final joint nomenclature set, AN/ARC-5. These were ubiquitous in military aircraft, and the low frequency range receiver, R-23 (BC-453) remained in service until recently, particularly in aircraft that flew overseas where the Adcock ranges were still used.

Western Electric, Colonial Radio and Stromberg-Carlson helped ARC produce nearly 1.4 million receivers, transmitters, modulators and other individual items as

the basic system, known generically as the "command sets."

=====

Here is how to get the whole file.

send a message to: listproc@theporch.com

leave the subject blank

in the body type this: get boatanchors ARC.history

Thats it.

Bonne Chance de Tom N50FF

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995

From: dcl@genrad.com (Deke C. Lightfoot)

Subject: re: ID of knobs

Message-ID: <9509251453.AA17717@pulsar.genrad.com>

My guess is that the skirted mushroom knobs are off of a R-302/URR-22 which is a Navy receiver whose main mission was entertainment. It had a second mission as an emergency receiver for mcw, telegraphy and AM, but I suspect that was a last resort. I'm at the start of restoring two of these beasts..they seem well built, and easy to get at for repairs. The radio was designed for shorestation and shipboard use, had input for a "phonograph", and output was designed to drive 10 separate amplifiers for distribution. Of course, maybe they are something else altogether!

73... Deke AA6DF dcl@genrad.com

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995

From: pbock@melpar.esys.com (Paul H. Bock)

Subject: ID-263/U: Can anyone ID this?

Message-ID: <9509251445.AA09320@syseng1.se.melpar.esys.com>

When I came in this AM I found a couple of items on my desk, courtesy of a retired USMC Major (former Radio Battalion officer, member of the "Chosin Few," etc.). One item was an old Bunnell straight key sans lever arm and circuit closer (he's still

looking for these), and the other is the subject equipment, described as follows:

ID-263/U: Appears to be a test probe, with a round main body with two opposite edges flattened, approx. 1" dia. by 4" long, with a 2" long tapered extension which ends in a pointed metal tip. The main body has a small dial labeled "R.F. Field" and a scale marked "0", "50" and "100" with intermediate smaller markings. The dial has a red pointer connected to what looks like a D'Arsonval movement. The body of the device is black plastic.

Anyone know what this was used for? Input limitations? Safety precautions to avoid destruction/damage during use {of either the probe or the user ;-)}? The Major doesn't remember because it was a *long* time ago, but thinks this item may date to the Vietnam era (he did two tours). He's a "mustang" so I know he's used them before, but memories do fade with time (oh, how well I know!).

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Re: Livermore?
Message-ID: <Pine.3.89.9509241952.A644-0100000@netcom9>

>

> When's the next Livermore (CA) swapmeet?

Sunday, October 1, 1995

73

Paul WA60KQ

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: BRICKEY_PETER@Tandem.COM
Subject: More shack cleaning.
Message-ID: <199509251244.AA13625@gateway.cpd.tandem.com>

Hi;

I have some more stuff and some left over stuff from my last posting:

- | | | |
|------------------------|---|----------|
| 1) Hallicrafters S-20R | very nice/working, but has
an extra 1/4" phone jack
on front panel | \$ 45.00 |
| 2) National NC-109 | Clean/working with
matching speaker | \$115.00 |
| 3) Drake 2B | Working, very nice condition
Main tuning knob and one other
have rust on the chrome trim
Has Xtal calib (home brew) | \$ 85.00 |
| 4) Eddystone 840-A | 500Kc/30Mc, general coverage
works (barely), has lots of hum,
cosmetically is quite clean,
has internal speaker, has the
big Eddystone dial | \$275.00 |
| 5) Kenwood SM-220 | This is not quite a BA, even
tho it has a CRT. Condition
is close to mint, with PS-8
panadapter. | \$235.00 |

I have manuals (copies) for all of the above except the Eddystone.

The above prices do not cover shipping or packing from Los Gatos, Ca (ZIP 95030). I can be reached at 408-353-1925 after 5pm PDT or at 408-285-0713 (work).

73's Peter KD6KDR

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Michael.J.Knudsen@att.com
Subject: Need XTALs for Viking II
Message-ID: <9509252132.AA06113@bock.ih.att.com>

To cut to the chase, a "Big Johnson" followed me home from Greyslake Hamfest yesterday. Ten xtal sockets inside, all crying to be fed like baby robins (but no "cheep" construction in this rig :-).

I saw only one box of old rocks at the Fest, and they were gone by the time I'd made up my mind on the Viking II. So before I start fooling around with the commercial outfits (which I need to do for some more modern gear), anyone want to sell some good old FT-243 or other style that will fit?

I'm most interested in 160 and 80/75 meters. Getting on 3985 with the AM BA crowd might be fun.

Meanwhile, I might VFO the beast with my URM/25 signal gen -- it should be stable enuf. And enuf output.

BTW, if anyone has archived any of those VIKING posts of the last few months (guess who did not), I'd love it if you emailed them to me.
THanks, mike k w9nrd

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: "penson" <penon@geom.umn.edu>
Subject: Re: Neolithic Masking tape
Message-ID: <199509250219.AA04446@cameron.geom.umn.edu>

Gojo cream works well. Be patient. Also I have had excellent luck with some solvent called De-Solv-It. A non-toxic citris based stuff available in supermarkets (at least that is where I got mine). Comes in a small 1 oz bottle.

Chuck

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: RANDY@sbii.sb2.pdx.edu
Subject: Re: Neolithic Masking tape
Message-ID: <236D63F67D9@sbii.sb2.pdx.edu>

Well around the lab here the first thing we grab to attack old adhesive is xylene. If there is a university near you the chemistry storeroom will certainly have gallons of "mixed xylenes" and they'll probably just give you some if you show up with your own glass bottle. Don't ask for reagent grade - it is expensive!

Probably can get the stuff in a paint store too, but I am lucky in never having to go that far.

Of course like most solvents, we also never use on a plastic surface without testing a scrap piece first.

have fun,

=Randy=
WB6MAI

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Bill Standerfer <bills@hplwslwsl.lvld.hp.com>
Subject: Old Bugs
Message-ID: <199509251909.AA290786153@relay.hp.com>

At yesterday's Boulder (Colorado) swapfest there was an old Vibroplex bug there for \$40. It was stamped with USN on the bottom, had a black wrinkle finish on the base, and some corrosion on the movement. It was certainly servicable and would probably restore pretty well, although not to mint by any means. I would like to find a reasonable bug to go with the B&W 5100 (seems like it would be a shame to connect a keyer to it), but this bug looked a little rough for the price. Can the experts give me some idea of what a bug like this is worth in case this one shows up at the next swapfest? Yeah, I know it isn't much money either way, but the guy made me a little mad with his rude attitude when I made an offer. He didn't like my offer after the key had set on the table for four hours with no takers, so he had the opportunity to pack it back home instead of taking my money or responding in a reasonable way.

And for those interested, the swapfest wasn't very well attended. This one is normally very well stocked with goodies, but about a quarter of the tables were empty. Must have been the cold drizzle that kept folks away. I did make a nice find with a QST collection from 1946 to the end of the small format in the 70's. Now mine is complete from 1946 to the present. Finding room for the boatanchors is bad enough, but finding a place for the BA literature is sometimes an equal challenge.

Bill

Bill Standerfer	*	Hewlett-Packard Company
CFI-A, IA, ME	*	Measurement Systems Division
bills@lvld.hp.com	*	Loveland, CO 80539
Baron N222AB - KF0DJ - Pikes Peak 253	*	970-679-2378

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Old Bugs
Message-ID: <9509252033.AA06020@bock.ih.att.com>

Well, at the Greyslake fest N. of CHicago yesterday, someone had 3 bugs on the table -- two for \$100 and one for \$200. Nothing special so far as I could tell, and not gleaming shiny clean either. Didn't try to dicker on prices, as I already have a Japanese cheapie that works, and I'm into key collecting -- yet. I keep hearing that a plain jane working bug is only worth \$50, but darned if I've seen any that cheap of American make.
73, mike k w9nrd

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: jproc@worldlinx.com
Subject: Paint Removal
Message-ID: <Chameleon.4.01.2.950925005556.jproc@jproc>

Dear BA's,

In the recent thread about cleaning BA's, we have all been tendering our favourite cleaning methods with some caution about marring or injuring painted surfaces or front panels. What does one do when someone takes a fine brush and paints inventory codes over a gray front panel with yellow enamel paint? If you think I'm kidding, this is the problem that I was faced with when restoring two surplus AN/SGC1A RTTY terminal units. Recorded here is a method that I developed.

First, I practiced on the 'carcass' unit. Using a small jewellers screwdriver, I dipped it into paint stripper and applied it to the yellow paint in such a manner as to form a miniscus. Before the stripper had a chance to really do the job, it wiped it off and re-applied it numerous times. The object here, is to strip the offending paint in small 'shaves' without lifting the original finish on the front panel.

The technique was nearly successful on the practice unit and I only removed original paint in an area about 1/8 " in diameter. On the second unit (the better of the two), I didn't damage the original paint at all. Some points about my method.

- 1) Like an aging French wine, do it slowly. Shave off thin layers of the offending paint instead of trying to do it in one shot.
- 2) Be very careful or you will remove more of the original paint that you had intended to.
- 3) Do not use this method unless you have nothing less than a steady hand.

Now, what do you do when someone has stored a BA next to a paint locker and has splattered diluted blue enamel paint on a dark green crackle finish? Short of stripping the paint and repainting the cabinet which is beyond my skill set, I decided to leave it alone and not cause a larger problem. I'm sure that there must be countless BA's which have been exposed to careless paint brush 'flickings' by owners who never thought that they may become valuable one day.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com

Radio Restoration Volunteer
HMCS Haida, Toronto Ontario

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: R390A Cosmos PTO adjustment
Message-ID: <v02110108ac8c8e91696b@[140.243.30.128]>

Shaun Merrigan writes regarding Cosmos Industries PTO's:

>Cosmos PTO I have now does not appear to have any endpoint adjustment
>slug accessible from the outside. There is an adjustment, but it is
>only accessible from a hole thru the rear support plate; I don't recall
>if there was a way to adjust the endpoints on these....

This is covered in one of the Hollow State News newsletters. If someone really needs the info, email me and I'll send a photocopy.

Regards,
-Steve

Steve Byan	internet: steve@hi.com
Hitachi Computer Products (America), Inc.	
1601 Trapelo Road	phone: (617) 890-0444
Waltham, MA 02154	FAX: (617) 890-4998

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: Scott's Liquid Gold
Message-ID: <9509250222.AA06133@kali>

----- Begin Included Message -----

From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: WD-40 VS HAIR SPRAY

Other folks use Scott's Liquid Gold, an aerosol furniture polish, on wrinkle finishes, and that seems to work pretty well. Can't see why it wouldn't be fine for a wrinkle-finished bug base, too!

----- End Included Message -----

The Scott's I bought at the supermarket is simply a flip-top can without aerosol. And the ancient VHF field strength meter I used it on seems to be doing okay. It's been months and I handled it the other day and didn't come away with black hands...

--Andy
wallace@mc.com

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: don merz <71333.144@compuserve.com>
Subject: Suzie Homemaker sprays and such...
Message-ID: <950925131904_71333.144_DHQ24-14@CompuServe.COM>

I'm sorry, I really don't understand all this stuff about oils and sprays for your gear. I have found that if I do the GoJo cleaning right on black wrinkle, it will come out looking like new--no oils or sprays necessary. So many of us would agree that "if it ain't broke, don't fix it." Why would we EVEN CONSIDER hosing down a piece of gear? Jerry Proc said it best--do the least amount of cleaning and intervention of any kind. You can still achieve great results and avoid causing yourself many problems. I guess one of the questions we have to start asking before buying something now is "has it been oversprayed or coated with anything?" If so, to me, that's a negative.

Thanks.

Don, N3RHT
71333.144@compuserve.com

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: T-19 80m ARC-5 restoration
Message-ID: <9509250258.AA06155@kali>

Okay, the thing doesn't have any power transformers, so it took the ride in the dishwasher pretty well. And luckily I had a big enough Greenlee punch to take out the antenna terminal and put in a connector which will mate directly with my hardline. The mica connector in the back comes out real easy with a ball-peen hammer. I knew that would come in handy.

OK OK OK! Stop emailing me ^G strings, I was kidding.

If you read my post about the MIT flea last week, you would have noticed

that I picked this little gem up there.

I've spent the last week rereading the Electric Radio articles on the ARC-5s, as well as various posts from Boatanchors which I captured to disk. I would LIKE to put this on the air sometime. Sometime might not be until next year. I have plenty of projects and I have an order of business in mind...we'll see if I stick to it. But anyway, I would like some info for filing away until I do get my nibbling punch...er, meter, out.

This is the T-19 model transmitter which covers 3-4 Mc. It appears unmodified and in very nice shape. I need the cover which goes over the finals. What did the label (if any) on these say? Were they all the same for all the ARC-5s? If so...can someone sell me one? I would settle for one which does not have the proper label if the condition was nice.

I hear a ball rattling around below the chassis. I now know that this probably came from the capacitor, and I will be careful and try to get it back where it belongs.

I just picked up a 1965 ARRL Handbook, and there is a schematic in there for an ARC-5 power supply. Is this a reasonable basis for a supply circuit? And what is the "best" voltage to run the thing? Someone on BA mentioned 350-500V but no more, and my personal intent is to go for longevity, not watts. I'm sure Fair Radio could scare up a suitable transformer.

I also need the pinout of the original connector. I intend to make Molex pin wires for it.

I already noted the procedure for disabling the antenna relay and adjusting the keying relay.

Rather than ramble even more, I'll leave it to the rest of you to yack about the ARC-5s. I'd welcome any help I can get. Mind you, I don't think this will be a) for sale, or b) part of a large collection anytime soon. I just couldn't resist owning a part of history my dad probably chopped up. I guess it's a karma thing. <grin)

--Andy
wallace@mc.com

P.S. If there was any doubt, it WILL remain unhacked!

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Randy.Cook@Corp.Sun.COM (Randy Cook)

Subject: Telechron Clock Help - HQ180

Message-ID: <9509251852.AA02708@mmmkt.Corp.Sun.COM>

The intermittant clock in my HQ180 just decided to die. The field coil is open, and an autopsy shows it is not in the top layers, so a quick fix is not possible.

The clock mechanism was fairly popular, having been used in GE clocks and clock radios, in addition to Hammarlund.

I contacted Merrits in Pennsylvania, who carry clock replacement parts. I received a replacement field coil assembly for GE and Telechron. Unfortunately, the replacement doesn't fit the unit Hammarlund uses. The HQ assembly has significantly thinner magnet plates, and a smaller coil. Major surgery could be done, but I would prefer to keep things original if possible.

1. Does anyone have a suitable field coil (could be from HQ or GE clock radio circa 1960)
2. Is there anyone out there that could rebuild the coil?

Thanks in advance

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995

From: w7ni@teleport.com (Stan Griffiths)

Subject: TU75B Schematic

Message-ID: <199509252250.PAA18667@desiree.teleport.com>

I have found a copy of the TU75B ballast test set that Tektronix used in production to bring new scopes up slowly in case they were wired with a devastating short circuit. I need to get the diagram transferred from microfiche to paper and then make you a copy of that. This will take a few days and then I will send you a copy. I need your mailing address.

Anybody else out there want a copy of this? I don't know what is customary with regard to offsetting my costs. I just can't afford to make copies and cover the postage for everybody. The diagram is only 1 page.

Stan Griffiths, W7NI

18955 S.W. Blanton

Aloha, OR 97007

W7NI@teleport.com

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995

From: RANDY@sbii.sb2.pdx.edu

Subject: Re: Tube AF amps for rice boxes

Message-ID: <23714F9166B@sbii.sb2.pdx.edu>

Relative to tube audio, it is easier to have decent audio sound from low level solid state stages than from high level/high current ones. Thus there is a lot of recent audiophile stuff which uses tubes but it is mostly amps where the biggest improvement can be had. Using a tube vs a solid state preamp is less of a big deal.

Having said that, in the old days Bruel & Kjaer used tiny pencil tube "preamplifiers" in their audio measurement microphones. The mics were powered by the real preamp via the mic cable. The tubes had enormous input Z, extremely high dynamic range, ultra low distortion, etc and probably have never been equalled for low signal precision audio work.

Anyway, if you hook a good tube amp up to your solid state Kenwood (or whatever) it should indeed sound better.

Be careful with guitar amps however. I would opt instead for a used tube stereo amp or even complete receiver. Just connect the BA output to the "aux" input (avoid the phono and/or mag input due to equalization!).

Have fun,

=Randy=
WB6MAI

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Tube AF amps for rice boxes
Message-ID: <9509252136.AA06120@bock.ih.att.com>

I suspect much of the corrupted (harsh) sound of rice-grain gear is from the mechanical filters. And as someone noted earlier, the audio sections have way to much treble response, so any distortion from any source gets passed on to you.

I think rcvrs with multiple selectivities should also switch in an appropriate treble low-pass cutoff audio filter when you change IF bandwidths. Starting with the R390A. I got a couple of audio bandpass filters yesterday at Greyslake to experiment with this. Out the diode load, into the filter, thence to an ancient Heathkit amp, then a hi-fi speaker. Make my R390a sound like a big console Philco. I hope...73, mike k w9nrd

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: don merz <71333.144@compuserve.com>

Subject: VLF Freq Mtr FS, Misc WTB
Message-ID: <950925131216_71333.144_DHQ24-13@CompuServe.COM>

For Sale and Wanted

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

FOR SALE

General Electric VLF Frequency Mter. Covers 50-150khz. Nicely built in 9" x 9" x 16" metal box with acrrying handle. Tagged "General Electric Radio Transmitter Engineering Division Laboratory s/n 00-66 Carrier Current Engineering." Has worn National "PW" dial for tuning. Runs on 115vac or DC. With calibration chart in lid, AC cord and headphones. \$29

WANTED

General Electric "Progress Line" low-band transmitter and receiver strips from mobiles or base stations. Looking for 30 watt, 60 watt or 100 watt versions of 4ET22A3 (or A13), 4ET23A3 (or 13) transmitters and 4ER24A2 (or A12) receivers.

Bearcat 160 scanner manual photocopy

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: michael.moore@24stex.com
Subject: WANT DRAKE 2NT
Message-ID: <9509251122.0FZ6C01@24stex.com>

Looking for a Drake 2NT at reasonable cost. Anyone got one hiding in their garage?

Mike...K6SQJ

P.S... Haven't got my Sept. Electric Radio yet (2nd Postage). Is it out yet?

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: What wl make knobs shine ?
Message-ID: <Pine.SUN.3.91.950925162656.19920A-100000@crl6.crl.com>

I hv some hallicrafters knobs, nice and clean but dull looking.

What can I use to make them shine like new ?

e-mail via randyw@crl.com

de stan ak0b

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: KB9VU@aol.com
Subject: WTB & FS or Trade
Message-ID: <950925031958_28427189@mail02.mail.aol.com>

I'm looking for the following items:

Heathkit:
SB-620, SB-650, VT-7A (VTVM) with RF probe.

Hallicrafters:
HT-44 transmitter, HA-1 Keyer, SX-115 Receiver

Drake:
FL-4000 AM filter, MS-4 speaker, AC-4 power supply
RV-4C Remote VFO

For Sale or Trade:

Drake RV-4 VFO (Trade for RV-4C or \$110 shipped)

Eimac 4X250B. Have a used pair. (Trade for Drake or Halli. parts or \$25 shipped)

B&W Tube tester with all docs. Works but case is cracked on the corners.
All manuals and instructions included. (\$ 50 shipped)

Thanks!

Mike, KB9VU

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: KS0F@aol.com
Subject: XTALS agn
Message-ID: <950925114142_28607927@emout05.mail.aol.com>

Greetings and apologies,

On my previous post of XTALS I said I had 1 new unused holder. It is a socket (big difference) and is spoken for.

73 Mike

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: KS0F@aol.com
Subject: Xtals Gone!
Message-ID: <950925114146_28608002@mail06.mail.aol.com>

Greetings,

Thanks. The old XTALS have found a home. 73 Mike

From boatanchors@theporch.com Mon Sep 25 11:03:00 1995
From: CASchwark@aol.com
Subject: Xylene (Was: Neolithic Masking tape)
Message-ID: <950925102125_28563670@emout04.mail.aol.com>

Rember, any Xylene compund is a carciogen. Use with caution!!

Chuck Schwark, Chicago, IL
Antique Radio Club of Illinois (Elgin)

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: RANDY@sbii.sb2.pdx.edu
Subject: Re: Xylene (Was: Neolithic Masking tape)
Message-ID: <23809CC60A5@sbii.sb2.pdx.edu>

Thanks for reminding me Chuck - we also do all this stuff with xylenes in our fume hood. For those without a wet lab, outdoors/a well ventilated space is probably just fine.

=Randy=

From boatanchors@theporch.com Mon Sep 25 20:53:00 1995
From: johnmb <johnmb@nando.net>
Subject: Re: Xylene- good stuff...
Message-ID: <Pine.SUN.3.91.950925122041.6139B-100000@parsifal.nando.net>

Following some advice, I tried water, and Xylene (found in a product suggested to me called "goof off"). A combination of the

above, (used seperately) worked fine, albiet slowly, to remove that fossilized tape.

Thanks to all who answered.
/john wb5oau/4